

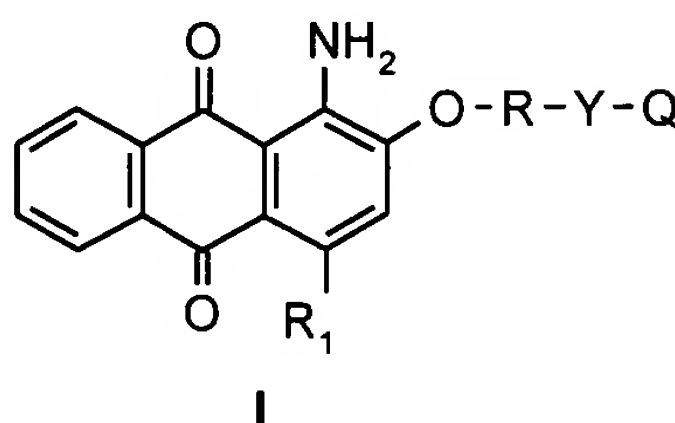
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Cancel claim 6 without prejudice or disclaimer.

Listing of Claims:

Claim 1 (currently amended): An anthraquinone colorant having the structure in Formula I:



wherein:

R is a divalent linking group selected from the group consisting of -C₂-C₈-alkylene-, -(C₂-C₄-alkylene-Z)_n-C₂-C₄-alkylene-, -C₂-C₆-alkylene-O-arylene-O-C₂-C₆-alkylene-, -arylene-O-C₁-C₆-alkylene-, -CH₂-1,4-cyclohexylene-CH₂- and -arylene-C₁-C₆-alkylene-;

Z is -O-, -S-, -N(SO₂R₄)-, -N(R₃)CO- or -N(COR₅)-;

R₁ is ~~hydroxy~~, -NHSO₂R₂ or NHCOR₂;

R₂ is C₁-C₆-alkyl, C₃-C₈-cycloalkyl or aryl;

Y is -O- or -N(R₃)-;

R₃ is hydrogen, C₁-C₆-alkyl, C₃-C₈-cycloalkyl or aryl;

R₄ is C₁-C₆-alkyl, C₃-C₈-cycloalkyl or aryl;

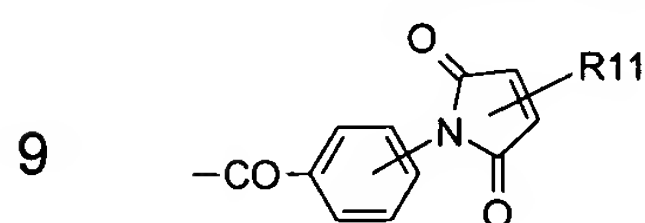
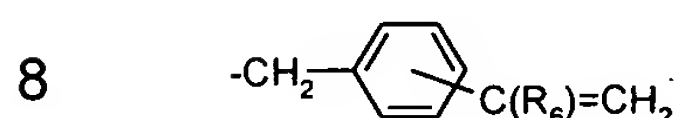
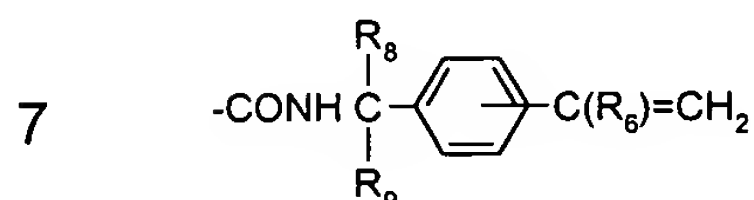
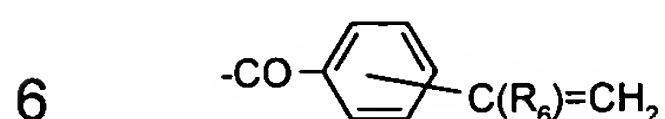
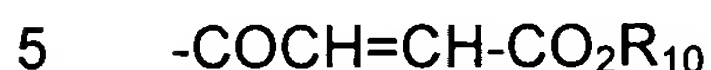
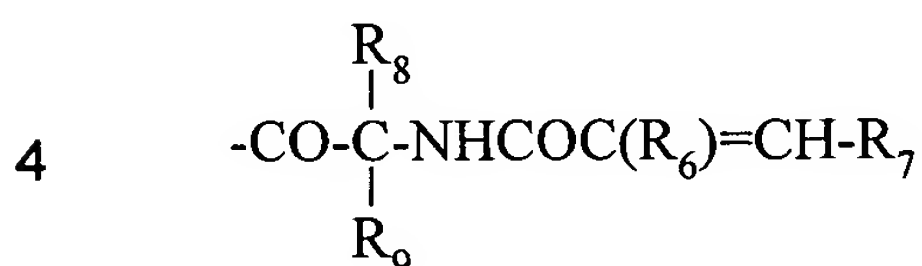
R₅ is C₁-C₆-alkyl, C₁-C₆-alkoxy, C₃-C₈-cycloalkyl or aryl;

n is an integer from 1 to 3; and

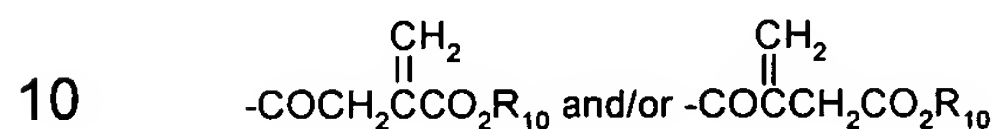
Q is an ethylenically unsaturated, photopolymerizable or free radical initiated polymerizable group.

Claim 2 (original): A colorant according to claim 1 wherein Q is

- 1 $-\text{COC}(\text{R}_6)=\text{CH}-\text{R}_7$
- 2 $-\text{CONH}-\text{COC}(\text{R}_6)=\text{CH}-\text{R}_7$
- 3 $-\text{CONH}-\text{C}_1-\text{C}_6\text{-alkylene}-\text{OCOC}(\text{R}_6)-\text{CH}=\text{CH}-\text{R}_7$



or



wherein:

R_6 is hydrogen or $\text{C}_1-\text{C}_6\text{-alkyl}$;

R_7 is hydrogen; $\text{C}_1-\text{C}_6\text{-alkyl}$; phenyl; phenyl substituted with one or more groups selected from the group consisting of $\text{C}_1-\text{C}_6\text{-alkyl}$, $\text{C}_1-\text{C}_6\text{-alkoxy}$, $-\text{N}(\text{C}_1-\text{C}_6\text{-alkyl})$, nitro, cyano, $\text{C}_1-\text{C}_6\text{-alkoxycarbonyl}$, $\text{C}_1-\text{C}_6\text{-alkanoyloxy}$ and halogen; 1- or 2-naphthyl; 1- or 2-naphthyl substituted with $\text{C}_1-\text{C}_6\text{-alkyl}$ or $\text{C}_1-\text{C}_6\text{-alkoxy}$; 2- or 3-thienyl; 2- or 3- thienyl

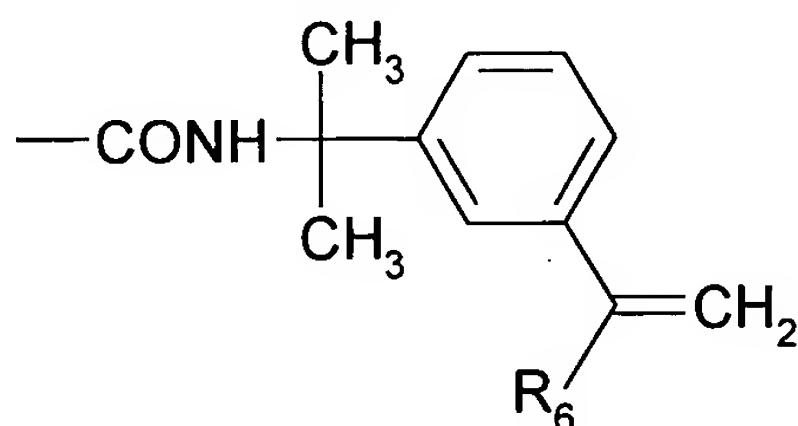
substituted with C₁-C₆-alkyl or halogen; 2- or 3-furyl; or 2- or 3-furyl substituted with C₁-C₆-alkyl;

R₈ and R₉ are, independently, hydrogen, C₁-C₆-alkyl, or aryl; or R₈ and R₉ may be combined to represent a $[-CH_2-]_{3-5}$ radical;

R₁₀ is hydrogen, C₁-C₆-alkyl, C₃-C₈-alkenyl, C₃-C₈-cycloalkyl or aryl; and

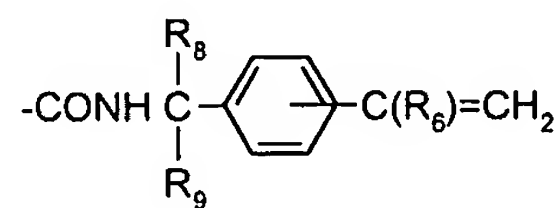
R₁₁ is hydrogen, C₁-C₆-alkyl or aryl.

Claim 3 (original): A colorant according to claim 1 wherein Q is $-COC(R_6)=CH_2$ or



and wherein R₆ is hydrogen or methyl.

Claim 4 (original): A colorant according to claim 1 wherein R is $-C_2-C_6$ -alkylene-, $-C_2-C_4$ -alkylene-O-arylene-O- $-C_2-C_4$ -alkylene-, $-(C_2H_4O)_n-C_2H_4-$ or $-CH_2-1,4$ -cyclohexylene- $-CH_2-$; n is an integer selected from 1 to 3; R₁ is hydroxy or $-NHSO_2R_2$; Y is oxygen; and Q is

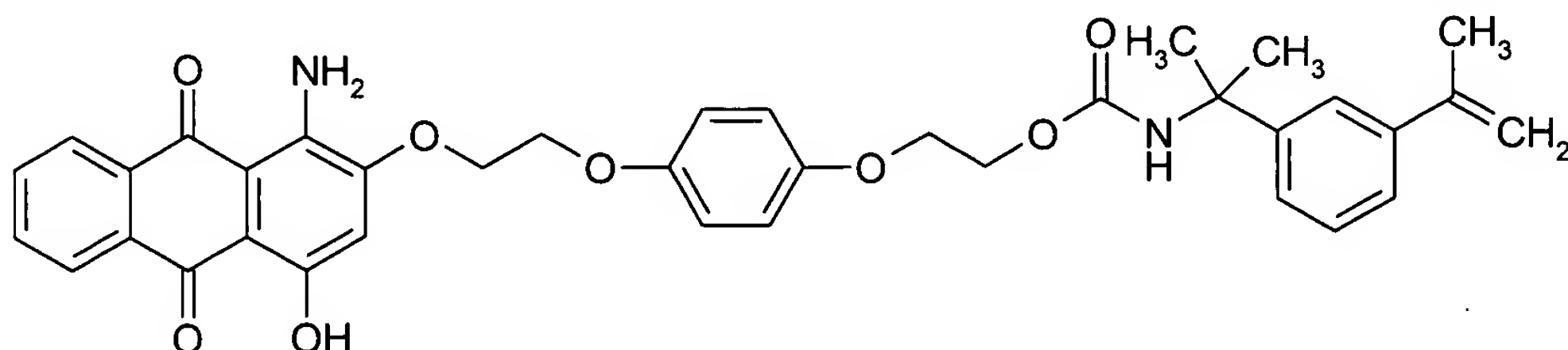


wherein R₆ is hydrogen or methyl and R₈ and R₉ are methyl.

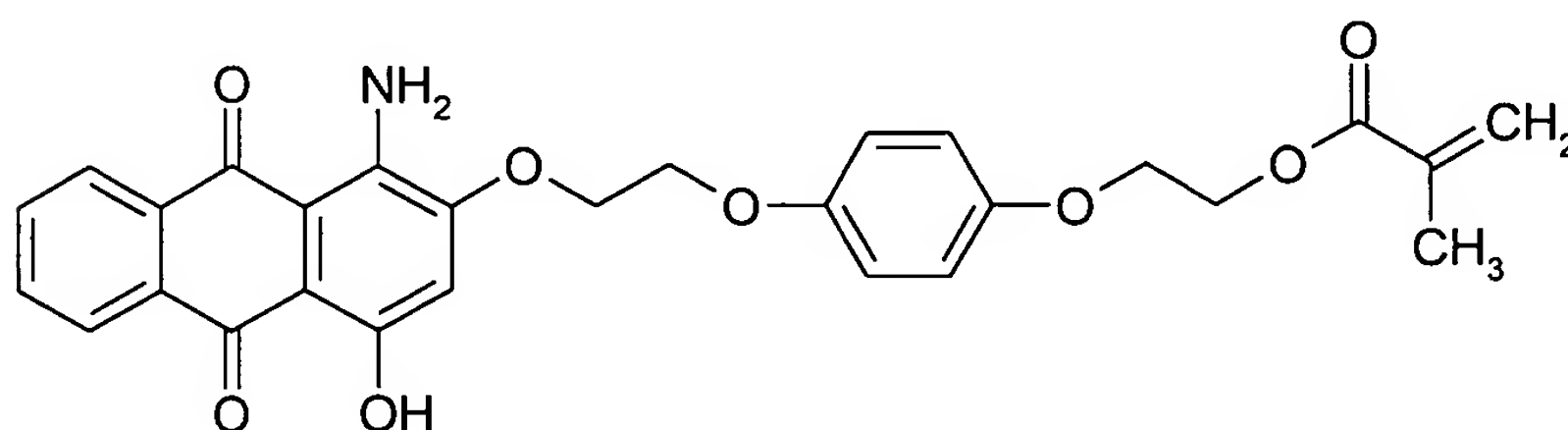
Claim 5 (original): A colorant according to claim 1 wherein R is $-C_2-C_6$ -alkylene-, $-C_2-C_4$ -alkylene-O-arylene-O- $-C_2-C_4$ -alkylene-, $-(C_2H_4O)_n-C_2H_4-$ or $-CH_2-1,4$ -cyclohexylene- $-CH_2-$; n is an integer from 1 to 3; R₁ is hydroxy or $-NHSO_2R_2$; Y is oxygen; and Q is $-COC(R_6)=CH-R_7$ wherein R₆ is hydrogen or methyl and R₇ is hydrogen.

Claim 6 (canceled)

Claim 7 (currently amended): A colorant ~~according to claim 1~~ having the structure



Claim 8 (currently amended): A colorant ~~according to claim 1~~ having the structure



Claim 9 (original): A coating composition comprising (i) one or more polymerizable vinyl compounds, (ii) one or more of the colorant compounds according to Claim 1, and (iii) at least one photoinitiator.

Claim 10 (original): A coating composition according to Claim 9 comprising (i) one or more polymerizable vinyl compounds, (ii) one or more of the colorant compounds present in a concentration of 0.5 to 25 wt % based on the weight of component (i), and (iii) a photoinitiator present in a concentration of 1 to 15 wt% based on the weight of the polymerizable vinyl compound(s) present in the coating composition.

Claim 11 (original): A coating composition according to claim 10 which further comprises one or more organic solvents.

Claim 12 (original): A coating composition according to claim 10 wherein the composition is dispersed in water.

Claim 13 (original): A composition according to claim 12 which further comprises a co-solvent.

Claim 14 (original): A coating composition according to Claim 10 wherein the polymerizable vinyl compounds comprise a solution of a polymeric, polymerizable vinyl compound selected from acrylated or methacrylated polyesters, acrylated or methacrylated polyethers, acrylated or methacrylated epoxy polymers, acrylated or methacrylated urethanes, or mixtures thereof, in a diluent selected from monomeric acrylate or methacrylate esters.

Claim 15 (original): A colorant concentrate comprising a solvent and a colorant according to Claim 1 at a concentration of 0.5 to 40 wt%.

Claim 16 (original): A colorant concentrate according to claim 15 wherein the solvent is toluene, methylethyl ketone, acetone, hexanediol diacrylate, tri(propyleneglycol) diacrylate or a mixture thereof and the colorant is present at a concentration of 10 to 30 wt%.

Claim 17 (original): A colorant concentrate according to claim 16 further comprising one or more ultraviolet light absorbing compounds at a concentration of from 0.1 to 30 wt %.

Claim 18 (original): A colorant concentrate according to claim 16 further comprising one or more antioxidants at a concentration of 0.01 to 5 wt %.